

GILA RIVER BASIN

09489080 HANNAGAN CREEK NEAR HANNAGAN MEADOW, AZ

LOCATION.--Lat 33°38'58", long 109°17'04", Greenlee County, at U.S. Highway 666, 2.7 mi northeast of Hannagan Meadow.

DRAINAGE AREA.--1.61 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1964	09-21-64	10		1971	09-30-71	14	
1965	04-22-65	20		1972	10-25-71	12	
1966	04-04-66	20		1973	10-19-72	70	
1967	08-11-67	16		1974	04-24-74	1.0	
1968	04-00-68	19		1975	09-00-75	48	
1969	09-03-69	19		1976	08-00-76	2.0	
1970	04-00-70	11					

Magnitude and probability of instantaneous peak flow based on period of record 1964-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
16.5	29	39.7	56.1	70.6	87.3
Weighted skew	(logs) =	0.27			
Mean	(logs) =	1.23			
Standard dev.	(logs) =	0.28			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
68.6	2.0	9,160	90.0	3.0	30.0	2.4	4.0

